System Explorer for z/OS

General Information

Version 1.1

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bmcsoftware

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- product information

  — product name
  — product version (release number)
  — license number and password (trial or permanent)

- operating system and environment information

  — machine type
  — operating system type, version, and service pack or other maintenance level such as PUT or PTF
  — system hardware configuration
  — serial numbers
  — related software (database, application, and communication) including type, version, and service pack or maintenance level

- sequence of events leading to the problem

- commands and options that you used

- messages received (and the time and date that you received them)

  — product error messages
  — messages from the operating system, such as `file system full`
  — messages from related software

Contents

About This Book

This book contains information about the System Explorer for z/OS product and is intended for anyone who is interested in learning about System Explorer for z/OS.

How This Book Is Organized

This book is organized as follows:

Title	Description
"The Challenges and the Solution"	discusses the business challenges you face every day and how the System Explorer for z/OS product can help in overcoming these challenges
"Features"	lists the features of the System Explorer for z/OS product
"Examples"	illustrates some of the functionality of the System Explorer for z/OS product

Related Documentation

BMC Software products are supported by several types of documentation:

- online and printed books
- online Help
- release notes and other notices

In addition to this book, you can find useful information in the publications that are listed in the following table. As "Online and Printed Books" on page viii explains, these publications are available on request from BMC Software.

Document	Description
System Explorer for z/OS Getting Started	introduces the System Explorer for z/OS product, explains how security is implemented in System Explorer for z/OS, and explains how to run System Explorer for z/OS
System Explorer for z/OS Help	contains detailed information about how to use the System Explorer for z/OS product You can access Help in the following ways: • from the **Help** menu • by clicking a **Help** icon 🏆 • by pressing **F1**
Desktop Installation Assistant Getting Started	provides information about using the Desktop Installation Assistant, including requirements The Desktop Installation Assistant is an installation wizard that is used to install and configure the Runtime Component System (RTCS) and RTCS-based products for OS/390 and z/OS.
Runtime Component System Configuration and Administration Guide	provides information on configuring about OS/390 or z/OS system for RTCS and configuring RTCS and RTCS-based products
Runtime Component System Message Reference	contains information about messages that are generated by RTCS The *Runtime Component System Message Reference* is a softcopy document only (.chm file). The file is on the product installation CD.

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* updates to the installation instructions
* last-minute product information

In addition, BMC Software sometimes provides updated product information between releases (in the form of a flash or a technical bulletin, for example). The latest versions of the release notes and other notices are available on the Web at **http://www.bmc.com/support_home**.

The Challenges and the Solution

Managing IT environments becomes more complex every day. E-Business concerns, rapidly growing data volumes, and increasing demands for availability 24 hours a day, 7 days a week are putting more pressures on you. You must address increasing complexity and volatile e-Business workloads with fewer skilled people.

The Challenge

You face the following challenges every day:

- Mission-critical applications are running in mainframe environments with fewer and fewer skilled mainframe technicians to maintain them.

- You are prevented from exploiting new technologies because your technicians only have time to maintain existing systems and applications.

- All technicians have more work to do and less time to do it.

The Solution

The solution is the System Explorer for z/OS product. System Explorer for z/OS brings the familiar graphical user interface (GUI) to the mainframe environment.

System Explorer for z/OS is not a mainframe emulator. It is a fully functional, Java-based, client-server application with a GUI.

With the System Explorer for z/OS product:

- Your non-mainframe technicians can manage data sets and jobs in an environment in which they are familiar.

- Your experienced mainframe technicians can realize the ease of a GUI.

System Explorer for z/OS is the first product in the System Advisor for z/OS family. System Advisor solutions are designed to
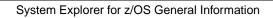
- simplify the configuration and management of base z/OS system components, thus elongating the life of this key platform

- demonstrate BMC Software's ongoing commitment and investment in the mainframe platform

Features

The System Explorer for z/OS product is a graphical user interface that provides the ease of the graphical environment for performing many of the functions of TSO, ISPF, SDSF and so on.

Whether you are comfortable with mainframe usage or not too sure about it, the System Explorer for z/OS product has features for you. You can

- view partitioned data sets, sequential data sets, jobs, system resources, and so on, all at once in a single navigation tree

- create custom views to filter the information that is shown in a navigation tree (for example, all of the data sets and jobs for a particular project)

- display information in multiple, resizable windows, side-by-side, all at once, and all from one session

- allocate a data set by using one dialog

- submit jobs with the click of a mouse button, determine the queue that jobs are in by looking at icons on a navigation tree, and list jobs with their sysout

- use your favorite desktop editor to edit data sets and members of data sets

- view system resources without knowing their names or locations

- view system topology such as address spaces, JES printers, devices, and LPARs

- display the system log (SYSLOG)

Examples

This section contains the following examples of what the System Explorer for z/OS product looks like and what it can do:

Example of the Interface

Figure 1 illustrates the areas of the System Explorer for z/OS interface.

Figure 1   **System Explorer for z/OS Interface**

The following table describes the areas that are shown in Figure 1:
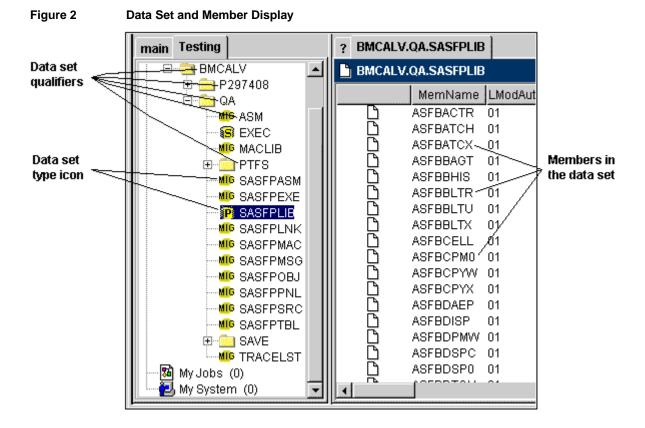
Area	Description
Outstanding request indicator	The outstanding request indicator contains a bar for each request that is being processed on the system to which you are connected. To determine what requests are outstanding, double-click the request indicator to display a window that contains information about the requests.
Menu bar	The menu bar contains command menus on the left and an outstanding request indicator on the right. The menus are **File**, **View**, **Results**, **Tools**, and **Help**. In addition to the menu bar, items on the interface have menus associated with them to perform actions. To display an item-specific menu, right-click an item on the navigation tree or in a results pane.
Left pane (custom view)	The left pane displays tabs, each of which represents a custom view that contains a navigation tree. A navigation tree contains the My Files, My Jobs, and My System items. Each custom view has a set of filters associated with it that correspond to the items in the tree.

Area	Description
Navigation tree	A navigation tree lists information from a z/OS system. A navigation tree is contained in a custom view.
	Custom views have filters associated with them to control what is displayed. The following main icons are displayed on a navigation tree:
	• *name:port*—Displays the name of the custom view that is represented by the navigation tree consisting of the name and connection port of the system to which you are connected.
	• My Files—Displays data sets.
	• My Jobs—Displays jobs and sysout listings on the JES queue.
	• My System—Displays address spaces, JES printers, JES initiators, I/O devices, storage, sysplexes, and coupling facilities.
Right pane (results pane)	The right pane displays tabs, each of which represents the results of a request. The tabs are referred to as *results panes*. Every request displays a results pane, even if the request is for identical information. For example, double-clicking a data set name twice displays two identical results panes.
	The displayed information varies, according to what is selected. For example, if you double-click a data set, a list is displayed of the data sets and members in the data set, and if you double-click a member, the contents of the member is displayed.
	A results pane remains open until you close it, so that you can view different information at the same time. You can also detach a results pane. When you detach a results pane, it becomes its own window that you can position anywhere on your personal computer's desktop.
Bottom pane (messages)	The bottom pane displays messages, including the severity of a message, where and when it originated, and its text.
	To view an explanation of a message, double-click it. The online documentation is displayed with an explanation.
	If a message starts with a +, right-click the message and choose **Extended Messages**. A browser is displayed with additional information about the results of the operation.
Icon bar	Each results pane contains icons in the upper right corner. The icons provide a quick way to perform common tasks that are related to the results pane and the displayed information (for example, detach the tab or refresh the displayed information).
Resizing lines	Use the resizing lines to resize the left, right, and bottom panes. With your mouse cursor, drag the line that separates the panes.

Displaying Data Sets and PDS Members

The System Explorer for z/OS product displays data sets in a tree structure. Each 📁 folder or 🛢 volume icon on a tree under My Files represents a qualifier in data set names. When the last qualifier is displayed, the folder or volume icon changes to represents the type of the data set. Members of a PDS are not displayed in the tree.

Figure 2 illustrates how the members in PDS BMCALV.QA.SASFPLIB are viewed in the System Explorer for z/OS product.

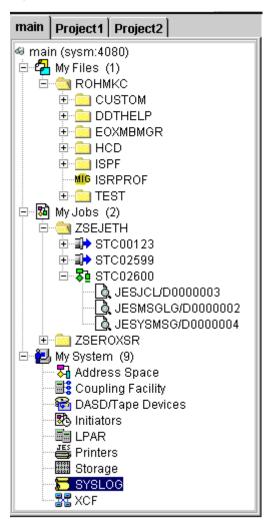**Figure 2   Data Set and Member Display**
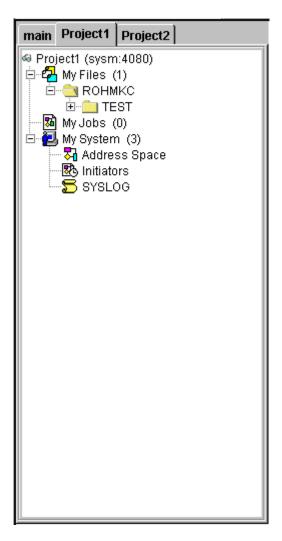
Using Custom Views

Figure 3 shows custom views. A custom view is a navigation tree that displays only what you want to see. You use filters to limit a navigation tree to certain data sets and jobs, for example.

One default custom view named *main* is always displayed. The default custom view uses your user ID or an * (all available information) as the base filter for each filterable item. You can also create as many custom views as you want, each view with its own unique information.

Custom views and filters are specific to one system. Regardless of which personal computer you use to access that one system, however, your custom views and filters will be there.

Figure 3   **Custom Views**

Using Tabs and Floating Windows

This example illustrates how results panes can be viewed as tabs (Figure 4) or as floating panes (Figure 5 on page 11).

By default, a results pane is displayed as a tab. You click ◪ on the results pane icon bar to "float" the results pane. You can reattach a single floating window by clicking ▣ on the icon bar. You can attach all floating windows by choosing **Attach All** from the **Results** menu.

Figure 4   **Tabbed Results Panes**
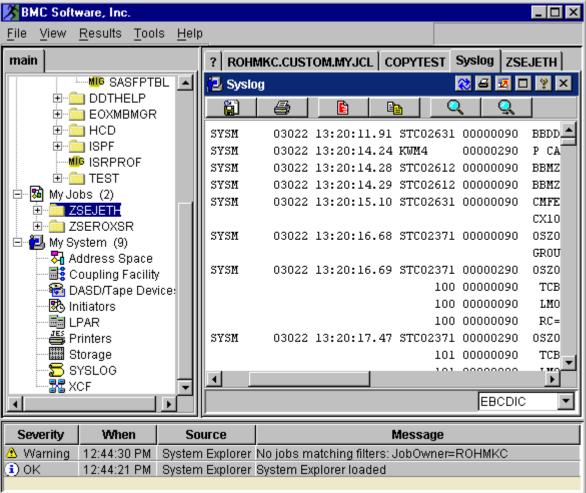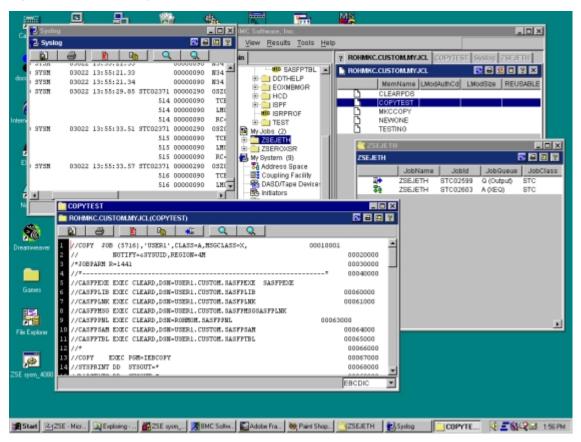
Figure 5 **Floating Results Panes**

Displaying Job Information

This example shows how job information is displayed in the System Explorer for z/OS product.

Jobs are displayed in a tree structure (Figure 6). From the list of jobs, you can view information about jobs, such as the job log and sysout.

To view all of a job's output, right-click a job ID and choose **Browse** (Figure 7 on page 13).

To view a specific sysout data set, double-click the name of a sysout data set (Figure 8 on page 14).

Figure 6   **Job View**
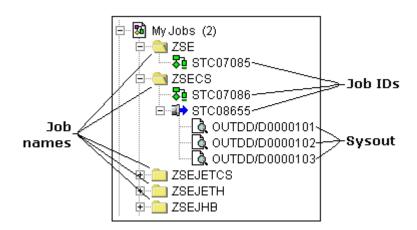
Figure 7 **Viewing Job Output**
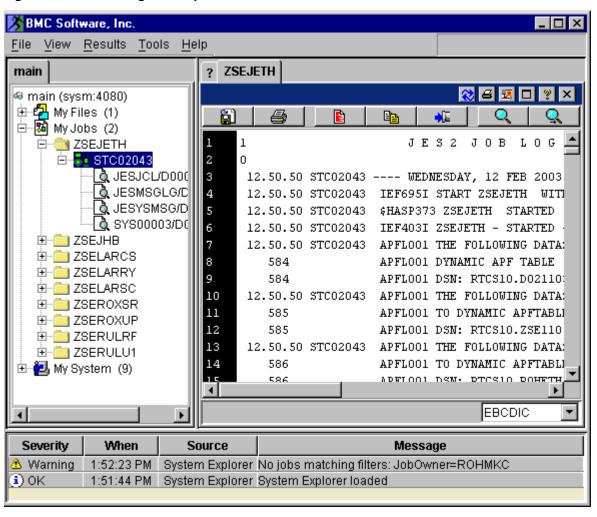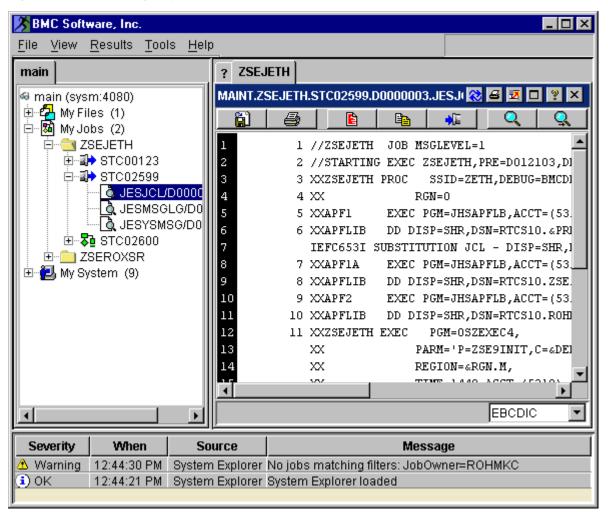
Figure 8   **Viewing a Sysout Data Set**

Submitting a Job

This example shows how you can submit a job in the System Explorer for z/OS product.

To submit a job *from* a list of data sets and members, right-click a data set or member name and choose **Submit** (Figure 9).

To submit a job *when viewing* a data set or member, click ➕ (Figure 10 on page 16).

Figure 9   Submitting a Job from a List
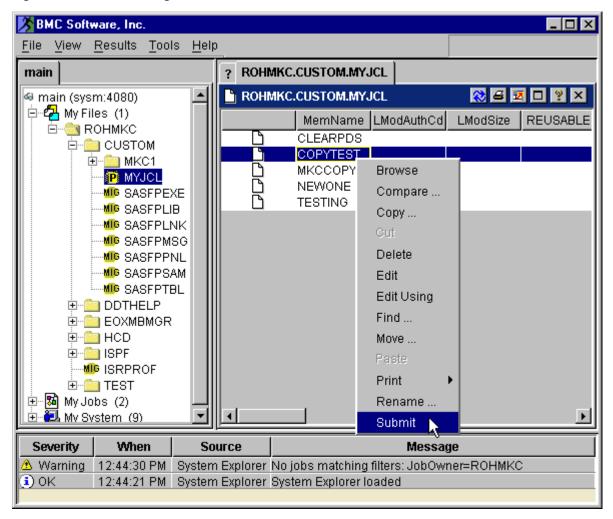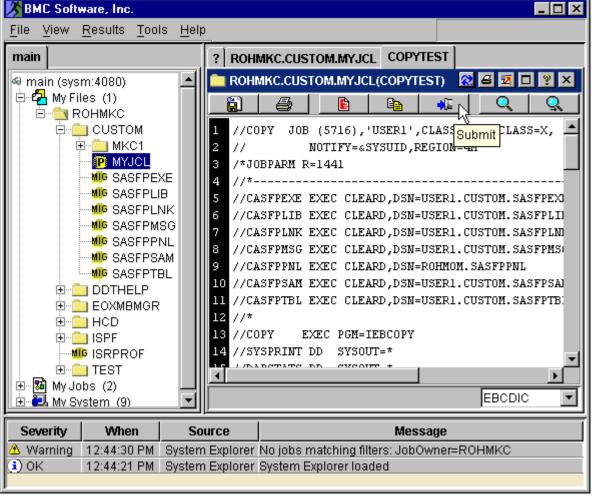
Figure 10   Submitting a Job When Viewing Data Sets or Members
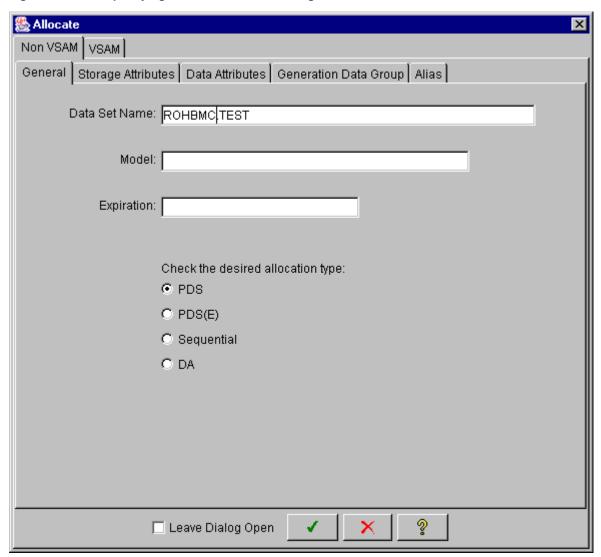
Allocating a Data Set

This example shows how to allocate a non-VSAM data set by using the System Explorer for z/OS product (Figure 11 and Figure 12 on page 18).

Figure 11   **Specifying the Data Set Name during Allocation**
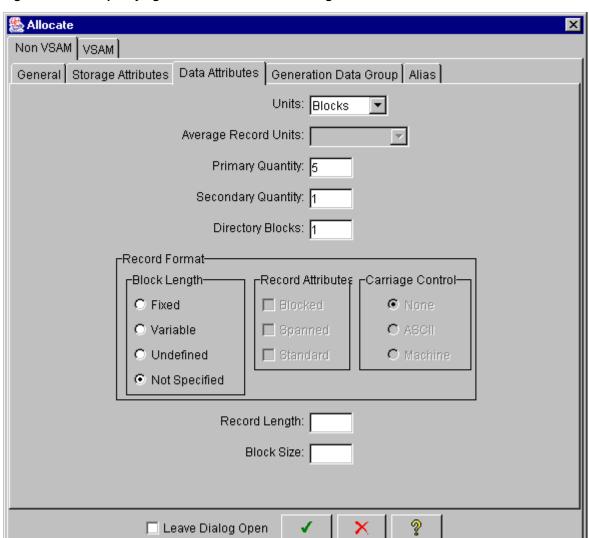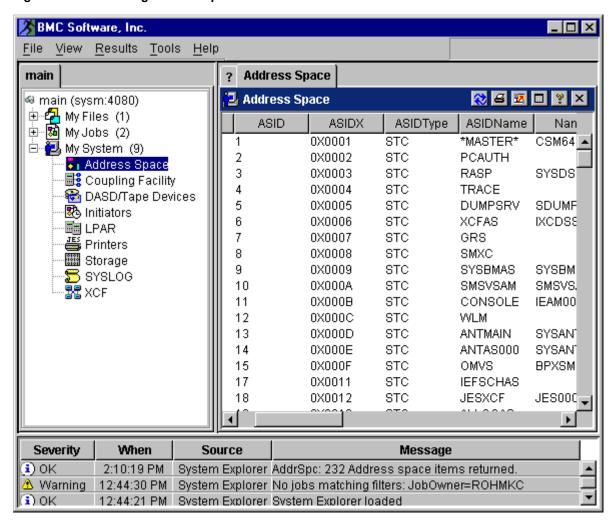
Figure 12   Specifying the Data Set Attributes during Allocation

Listing Address Spaces

Figure 13 illustrates how to list all of the address spaces and the information about what is running in them. Simply double-click ⬕ Address Space under ⬕ My System on the navigation tree.
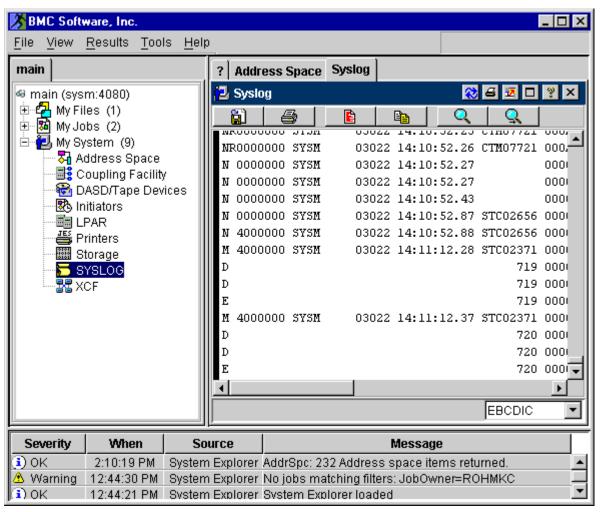
Figure 13　　　**Listing Address Spaces**

Viewing the SYSLOG

Figure 14 illustrates how to view the system log (SYSLOG) with the System Explorer for z/OS product. Simply double-click ⬦ Syslog under ⬦ My System on the navigation tree.

Figure 14 **Viewing the** SYSLOG

Displaying Online Documentation

Figure 15 illustrates what the online documentation looks like. You can access the online documentation in the following ways:

- from the **Help** menu
- by clicking a **Help** icon ❓
- by pressing **F1**

Figure 15   **Online Documentation**

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This Agreement ("**Agreement**") is between the entity or individual entering into this Agreement ("You") and BMC Software Distribution, Inc., a Delaware corporation located at 2101 CityWest Blvd., Houston, Texas, 77042, USA or its affiliated local licensing entity ("BMC"). "You" includes you and your Affiliates. "Affiliate" is defined as an entity which controls, is controlled by or shares common control with a party. IF MORE THAN ONE LICENSE AGREEMENT COULD APPLY TO THE PRODUCT, THE FOLLOWING ORDER OF LICENSE AGREEMENT PRECEDENCE APPLIES: (1) WEB BASED LICENSE AGREEMENT WITH BMC, (2) WRITTEN LICENSE AG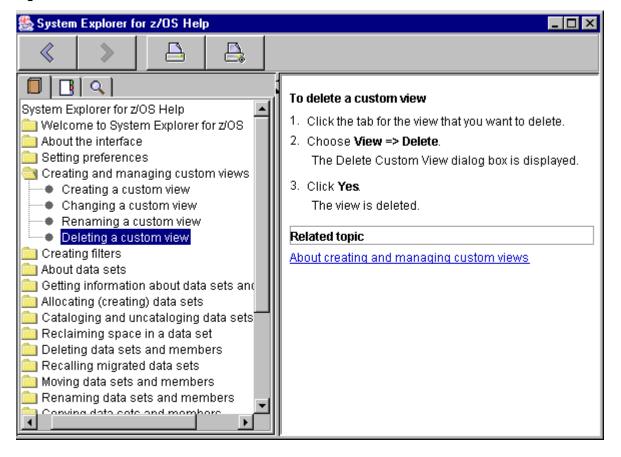REEMENT WITH BMC, (3) SHRINK-WRAP LICENSE AGREEMENT WITH BMC PROVIDED WITH THE PRODUCT, AND (4)THIS ELECTRONIC LICENSE AGREEMENT WITH BMC. In addition to the restrictions imposed under this Agreement, any other usage restrictions contained in the Product installation instructions or release notes shall apply to Your use of the Product.

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THE DISPUTE AS NECESSARY TO PROTECT EITHER PARTY'S CONFIDENTIAL INFORMATION, OWNERSHIP, OR ANY OTHER PROPRIETARY RIGHTS. ALL ARBITRATION PROCEEDINGS SHALL BE CONDUCTED IN CONFIDENCE, AND THE PARTY PREVAILING IN ARBITRATION SHALL BE ENTITLED TO RECOVER ITS REASONABLE ATTORNEYS' FEES AND NECESSARY COSTS INCURRED RELATED THERETO FROM THE OTHER PARTY.

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